

### AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

1 (currently amended). An apparatus for controlling supplemental heat in a refrigerator or freezer comprising:

a heating unit disposed to heat a door seal mating surface of the refrigerator or freezer body, the door seal mating surface having a surface temperature;

a sensor assembly unit configured to output at least a calculated value and a measured value;

a switching unit that switches the heating unit on and/or off; and

a control unit that control controls the switching unit in response to the sensor assembly unit, wherein the control unit enacts the switching unit to switch the heating unit on when the surface temperature is less than or equal to the calculated value, and to switch the heating unit off when the surface temperature attains the measured value. the heating unit is operated to control buildup of moisture condensation on the mating surface of the refrigerator or freezer body.

2 (original). The apparatus of claim 1, wherein the sensor assembly unit further comprises:

an ambient temperature sensor;

a surface temperature sensor; and

an ambient relative humidity temperature sensor.

3 (canceled).

4 (original). The apparatus of claim 1, further comprising:

a door;

a door latch assembly; and

a door latch cover assembly.

5 (original). The apparatus of claim 4, wherein the sensor assembly unit is installed within an interior portion of the door latch cover assembly.

6 (canceled).

7 (currently amended). The apparatus of claim 6 1, wherein the control unit operates automatically.

8 (currently amended). The apparatus of claim 6 1, further comprising an electromechanical valve which is opened to activate the supplemental heat ~~supply~~.

9 (currently amended). The apparatus of claim 6 1, wherein the supplemental heat comprises:

heat refrigeration gas.

10 (currently amended). The apparatus of claim 6 1, wherein the switching unit further comprises:

an electrical heater.

11 (currently amended). A method of controlling supplemental heat in a ~~refrigeration~~ refrigerator or freezer comprising:

- (a) reading a first surface temperature measurement of a ~~first~~ cabinet surface of a ~~refrigeration~~ refrigerator or freezer body;
- (b) reading a first ambient temperature measurement;
- (c) reading an ambient relative humidity measurement;
- (d) ~~measuring a calculated dew point reading calculating a dew point from the first ambient temperature measurement and the ambient relative humidity;~~
- (e) making a first determination of whether the ~~cabinet~~ first surface temperature measurement is at a first acceptable level relative to the ~~calculated~~ dew point; ~~measurement~~; and

(f) supplying supplemental heat activating a heating unit if the first determination is not at the first acceptable level; if the first determination is not at the first acceptable level to control buildup of moisture condensation on a door seal mating first cabinet surface.

(g) reading a second surface temperature measurement of the cabinet surface;

(h) reading a second ambient temperature measurement;

(i) making a second determination of whether the second surface temperature measurement is at a second acceptable level relative to the second ambient temperature measurement; and

(j) deactivating the heating unit if the second determination is at the second acceptable level.

12 (canceled).

13 (canceled).

14 (currently amended). The method of claim 12 11, further comprising continually supplying supplemental heat if the second ~~cabinet~~ surface temperature measurement is not equal to the second ambient temperature measurement.

15 (currently amended). A system for controlling supplemental heat in a refrigerator or freezer comprising:

means for reading a first cabinet surface temperature measurement, ~~the first cabinet surface being~~ adjacent to a seal of a door of the refrigerator or freezer body;

means for reading a first ambient temperature measurement;

means for reading an ambient relative humidity measurement;

means for ~~measuring a calculated dew point reading calculating a dew point from the first ambient temperature measurement and the first ambient relative humidity measurement;~~

means for making a first determination of whether the first cabinet surface temperature measurement is at a first acceptable level relative to the ~~calculated dew point; measurement; and~~

means for supplying supplemental heat activating a heating unit if the first determination is not at the first acceptable level; wherein the heat is supplied to control buildup of moisture condensation for the first cabinet surface.

means for reading a second cabinet surface temperature measurement adjacent to the seal of the door of the refrigerator or freezer body;

means for reading a second ambient temperature measurement;

means for making a second determination of whether the second cabinet surface temperature is at a second acceptable level relative to the second ambient temperature measurement; and

means for deactivating the heating unit if the second determination is at the second acceptable level.

16 (canceled).

17 (currently amended). The system of claim 14 15, further comprising:

means for continually supplying heat if the second cabinet surface temperature measurement is not equal to the second ambient temperature measurement.

18 (currently amended). The system of claim 14 15, wherein the ~~reading means for a first cabinet temperature measurement~~ means for reading a first cabinet surface temperature measurement and the means for reading a second cabinet surface temperature measurement comprise at least one ~~comprises~~ a surface temperature sensor.

19 (currently amended). The system of claim 14 15, wherein the ~~reading means for means for reading a first ambient temperature measurement and the means for reading a second ambient temperature measurement comprises an~~ comprise at least one ambient temperature sensor.

20 (currently amended). The system of claim 14 15, wherein the ~~reading means for~~  
~~means for reading~~ an ambient relative humidity measurement comprises an ambient relative  
humidity sensor.

21 (currently amended). The system of claim 14 15, wherein:  
the means for reading a first ambient temperature measurement; and  
the means for reading an ambient relative humidity measurement are part of a  
sensor assembly unit.